

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-338845

(43)Date of publication of application : 27.11.2002

(51)Int.Cl.

C09B 67/46
C09B 33/153
C09B 47/08
C09B 48/00
C09B 67/08
C09B 67/20

(21)Application number : 2001-142552

(71)Applicant : TOYO INK MFG CO LTD

(22)Date of filing : 14.05.2001

(72)Inventor : KANEDA JUN

SUZUKI ERIKO

IGUCHI TSUKASA

KAMIMURA TOSHIFUMI

(54) PROCESS FOR PREPARATION OF WATER-BASED PIGMENT DISPERSION, AND WATER-BASED PIGMENT DISPERSION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a water-based pigment dispersion which is excellent in storage stability, sedimentating property and filterability with time and which is hard to be damaged by the shock at the time of forming an ink.

SOLUTION: The process for the preparation of the water-based pigment dispersion, comprises a step of producing a mixture deposited in water from the strong acidic solution of a water-slightly soluble compound having a color part bonded with an acidic functional group and of a compound of a constitutional component of an organic pigment, a step of dispersing an organic pigment in water in the presence of the mixture obtained in the above step and then of adsorbing the above mixture on the surface of particles of the above organic pigment, and a step of removing an unadsorbed mixture in the water-based pigment dispersion obtained in the above step.

LEGAL STATUS

[Date of request for examination]

06.04.2006

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]